	1	1. In a tuning system for tuning to channels of a plurality of different broadcast
	2	types, a method of efficiently tuning to a channel of one of the broadcast types without a
	3	user having to designate the broadcast type, the method comprising the following:
	4	a step for storing a plurality of service records, each service record containing
	5	tuning information for tuning to a channel of one of the plurality of broadcast types;
	6	a step for categorizing the plurality of service records into a plurality of
	7	service spaces;
	8	a step for receiving a selection of one of the service records in one of the
	9	service spaces; and
<u> </u>	10	a step for tuning to a channel corresponding to the selected service record
	11	using the tuning information provided in the service record.
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	13	2. The method according to Claim 1, wherein the step for storing comprises the
	14	following:
	15	an act of storing information that identifies a tuner; and
	16	an act of storing information that identifies a channel tunable by the tuner.
	17	
LAW TOWER TEMPLE FAH 841	18	3. The method according to Claim 1, wherein the step for storing comprises the
LE GATE SOUTH CITY, U	19	following:
ATTORNETS AT LAW 1000 EAGLE GATE TOWER 60 EAST SOUTH TEMPLE SALT LAKE CITY, UTAH 84111	20	a step for accumulating the plurality of service records.
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	22	4. The method according to Claim 3 wherein the step for accumulating the
	23	plurality of service records comprises the following:
	24	an act of a tuner monitoring a broadcast to determine available channels.
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	2	5. The method according to Claim 4, wherein the step for accumulating the
	3	plurality of service records further comprises the following:
	4	for each of the available channels, an act of creating a service record for the
	5	available channel if a service record does not already exist for the available channel.
	6	
	7	6. The method according to Claim 5, wherein the step for accumulating the
	8	plurality of service records further comprises the following:
	9	an act of including information that the tuner used to tune to the available
	10	channel in the service record.
	11	
Ti	12	7. The method according to Claim 3, wherein the step of accumulating the
î.	13	plurality of service records comprises:
	14	a specific act of providing a loader for each tuner in the tuning system;
	15	a specific act of using the loader to monitor the channels tuned to by the
	16	corresponding tuner for a new channel;
_	17	a specific act of a master service control creating a new service record
TOWER SMPLE AH 8411	18	corresponding to the new channel; and
E GATE OUTH TE	19	a specific act of including the tuning parameters used to tune to the new
1000 EAGLE GATE TOWER 60 EAST SOUTH TEMPLE LT LAKE CITY, UTAH 841	20	channel in the new service record.
VS.	21	
	22	8. The method according to Claim 1, wherein the step for categorizing the
	23	plurality of service records into a plurality of service spaces comprises the following:

	1	for each of the plurality of service records, an act of storing a pointer
	2	associated with the service record in at least one of the service spaces.
	3	
	4	9. The method according to Claim 1, wherein the step for categorizing the
	5	plurality of service records into a plurality of service spaces comprises the following:
	6	an act of creating a master service space that includes pointers to all of the
	7	plurality of service records.
	8	
	9	10. The method according to Caim 1, wherein the step for categorizing the
	10	plurality of service records into a plurality of service spaces comprises the following:
T T	11	an act of categorizing at least some of the plurality of service records into
0 0	12	service spaces that are categorized according to content.
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	14	11. The method according to Claim 1, wherein the step for categorizing the
	15	plurality of service records into a plurality of service spaces comprises the following:
	16	an act of creating a favorites service space for including service records that
	17	correspond to desirable channels.
E TOWER TEMPLE TAH 84	18	
SLE GATI SOUTH CCITY, U	19	12. The method according to Claim 1, wherein the step for tuning to a channel
1000 EAGLE GATE TOWER 60 EAST SOUTH TEMPLE SALT LAKE CITY, UTAH 84111	20	corresponding to the selected service record using the tuning information provided in the
S	21	service record comprises the following:
	22	an act of the tuning system tuning to a selected digital channel corresponding
	23	to the selected service record using the tuning information provided in the service
	24	record.

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The method according to Claim 1, wherein the selected service record 13. corresponds to a Web page.

The method according to Claim 13, wherein the tuning information provided 14. in the selected service record includes a Uniform Resource Identifier.

	1	15. In a tuning system for tuning to channels of a plurality of different broadcast
	2	types, a computer program product for implementing a method of efficiently tuning to a
	3	channel of one of the broadcast types without having to designate the broadcast type, the
	4	computer program product comprising:
	5	a computer readable medium for providing computer program code means
	6	utilized to implement said method; and
	7	wherein said computer program code means is comprised of executable code
	8	for implementing the following:
	9	a step for storing a plurality of service records, each service record
	10	containing tuning information for tuning to a channel of one of the plurality
	11	of broadcast types;
	12	a step for categorizing the plurality of service records into a plurality
l I	13	of service spaces;
	14	a step for receiving a selection of one of the service records in one of
	15	the service spaces; and
	16	a step for tuning to a channel corresponding to the selected service
ت. یے تا	17	record using the tuning information provided in the service record.
TE TOWE TEMPLE UTAH &	18	
GLE GAT T SOUTH E CITY, I	19	16. The computer program product according to Claim 15, wherein the
1000 EAGLE GATE TOWER 60 EAST SOUTH TEMPLE SALT LAKE CITY, UTAH 8411!	20	executable code for implementing the step for storing further comprises executable code for
Š	21	implementing the following:
	22	an act of the tuning system storing information that identifies a tuner; and
	23	an act of the tuning system storing information that identifies a channel
	24	tunable by the tuner.

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	17.	The	computer	program	product	according	to	Claim	15,	wherein	the
execu	ıtable co	de for	implement	ing the sto	ep for stor	ing further	com	prises tl	ne ex	ecutable o	code
for in	nplemen	ting th	e following	ς: 							

a step for accumulating the plurality of service records.

The computer program product according to Claim 16, wherein the 18. executable code for implementing the step for accumulating the plurality of service records comprises executable code for implementing the following:

an act of a tuner monitoring a broadcast to determine available channels;

for each available channel, an act of creating a service record for the available channel if a service record does not already exist for the available channel; and

for each available channel, an act of including information that the tuner used to tune to the available channel in the service record.

1	19. A tuning system for tuning to channels of a plurality of different broadcast
2	types without requiring a user to identify the broadcast type, the tuning device comprising:
3	a first tuner for tuning to channels of a first broadcast type;
4	a second tuner for tuning to channels of a second broadcast type;
5	a memory;
6	a controller coupled to a memory, wherein the controller is configured to
7	store a plurality of service records and service spaces in the memory, each service
8	record containing tuning information for tuning to a channel of one of the plurality of
9	broadcast types, each service space listing at least one of the plurality of service
10	record.
11	
12	20. The tuning system according to Claim 19, wherein each of the plurality of
13	service spaces contains a pointer to at least one of the plurality of service records.
14	
15	21. The tuning system according to Claim 20, wherein at least one of the
16	plurality of service spaces contains pointers to a service record containing information for
17 =	tuning to a channel of the first broadcast type and a service record containing information
18 81	for tuning to a channel of the second broadcast type.
19 19	
SALT LAKE CITY, UTAH 84:11 07 08 08 09 09 09 09 09 09 09 09 09 09 09 09 09	22. The tuning system according to Claim 19, further comprising the following:
<sup>3</sup> 21	a means for receiving a plurality of different broadcast types.

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23. In a tuning system for tuning to channels of a plurality of different broadcast types, a method of efficiently tuning to a channel of one of the broadcast types without a user having to designate the broadcast type, the method comprising the following:

an act of the tuning system storing a plurality of service records in a memory accessible by the tuning system, wherein each service record contains tuning information for tuning to a channel of one of the plurality of broadcast types;

an act of the tuning system categorizing the plurality of service records into a plurality of service spaces;

an act of the tuning system receiving a channel selection from an input device communicatively coupled to the tuning system, wherein the selected channel corresponds to one of the service records in one of the service spaces;

an act of the tuning system accessing the selected service record from the memory; and

an act of the tuning system tuning to the selected channel using the tuning information of the accessed service record.

24. The method according to Claim 23, wherein the act of the tuning system storing comprises the following:

an act of the tuning system storing information that identifies a tuner in each of the plurality of service records in the memory; and

an act of the tuning system storing information that identifies a channel in each of the plurality of service records in the memory.

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25.	The i	method	according	to	Claim	23,	wherein	the	act	of	the	tuning	system
storing compri	ises th	e follow	ving:										

an act of the tuning system accumulating the plurality of service records in the memory.

26. The method according to Claim 25, wherein the act of the tuning system accumulating the plurality of service records comprises the following:

an act of at least one tuner of the tuning system monitoring at least one broadcast type to determine available channels in the at least one broadcast type.

27. The method according to Claim 23, wherein the act of the tuning system categorizing the plurality of service records into a plurality of service spaces comprises the following:

for each of the plurality of service records, an act of the tuning system storing a pointer associated with the service record in at least one of the service spaces.

28. The method according to Claim 23, wherein the act of the tuning system categorizing the plurality of service records into a plurality of service spaces comprises the following:

an act of the tuning system creating a favorites service space for including service records that correspond to desirable channels.

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29. The method according to Claim 23, wherein the act of the tuning system categorizing the plurality of service records into a plurality of service spaces comprises the following:

an act of the tuning system including a plurality of service records of a plurality of broadcast types within a single service space.

30. The method according to Claim 23, wherein the act of the tuning system tuning to the selected channel using the tuning information of the accessed service record comprises the following:

an act of the tuning system tuning to a selected digital channel corresponding to the accessed service record using the tuning information provided in the accessed service record.

- The method according to Claim 23, wherein the selected service record 31. corresponds to a Web page.
- 32. The method according to Claim 31, wherein the tuning information provided in the selected service record includes a Uniform Resource Identifier.

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	33.	In a tuning system	for tuning	o channel	s of a pluralit	y of differen	t broadcast
types,	a comp	uter program prod	uct for impl	lementing	a method of	efficiently	tuning to a
chann	el of on	e of the broadcast	types witho	ut having	to designate	the broadcas	st type, the
comp	uter prog	ram product compr	ising:				

a computer readable medium for providing computer program code means utilized to implement said method; and

wherein said computer program code means is comprised of executable code for implementing the following:

an act of the tuning system storing a plurality of service records in a memory accessible by the tuning system, wherein each service record contains tuning information for tuning to a channel of one of the plurality of broadcast types;

an act of the tuning system categorizing the plurality of service records into a plurality of service spaces;

an act of the tuning system receiving a channel selection from an input device communicatively coupled to the tuning system, wherein the selected channel corresponds to one of the service records in one of the service spaces;

an act of the tuning system accessing the selected service record from the memory; and

an act of the tuning system tuning to the selected channel using the tuning information of the accessed service record.

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34.	The	computer	program	product	according	to	Claim	33,	wherein	the
executable co	ode for	implement	ing the ac	t of the tu	ining system	ı sto	ring cor	npris	ses execut	able
code for implementing the following:										
	an ac	of the tu	ning syste	m storing	; information	n th	at identi	ifies	a tuner in	the
memo	ory; an	d								
	an ac	ct of the tun	ing systen	n storing	information	that	identifi	es a	channel in	the
memo	ory.									
35.	The	computer	program	product	according	to	Claim	33,	wherein	the
executable c	ode for	r implemen	ting the a	act of the	tuning syst	tem	storing	furtl	ner compr	ises
executable co	de for	implement	ing the fol	lowing:						

an act of the tuning system accumulating the plurality of service records.

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36. A method of creating a	service record in a tuning system, the method
comprising the following steps:	
receiving tuning informat	on regarding an available channel over a broadcast;
creating a service record f	or the available channel; and
including the tuning infor	nation in the service record.

37. The method according to Claim 36, wherein the broadcast includes information regarding available channels corresponding to a plurality of broadcast types.

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